Amana
BUILT BETTER THAN IT HAS TO BE™

Installation and Operating Instructions

IC 10-S
Side by Side Refrigerator Ice Maker Kit

Keep instructions for future reference.
Keep this manual and your sales receipt together in a safe place in case warranty service is required.

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Ordering parts and accessories?
Questions about your features?
Please contact us with your model and serial number:

Consumer Affairs Department
Amana Appliances
2800 - 220th Trail
Amana, Iowa 52204
Ph# 1(800)843-0304
1(319)622-5511 outside U.S.A.
Internet: http:// www.amana.com

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Amana, Iowa 52204

Important Safety Information

What You Need to Know about Safety Instructions

Warning and Important Safety Instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution, and care must be exercised when installing, maintaining, or operating refrigerator.

Read entire manual before installing kit. All necessary tools and materials must be available prior to installation. Verify all listed parts are included in kit. If parts are missing, contact source from whom kit was purchased.

- If unable to solve a problem during installation, contact an authorized Amana technician. Locate a factory Service Center or independent authorized technician by calling **1-800-628-5782** inside U.S.A. and **1-319-622-5511** outside U.S.A. Service is at owner's expense.

Before Calling Service...

If something seems unusual, please check "Trouble Shooting" section, which is designed to help you solve problems before calling service.

Recognize Safety Symbols, Words, Labels

⚠ DANGER

DANGER—Immediate hazards which **WILL** result in severe personal injury or death.

⚠ WARNING

WARNING—Hazards or unsafe practices which **COULD** result in severe personal injury or death.

⚠ CAUTION

CAUTION—Hazards or unsafe practices which **COULD** result in minor personal injury or product or property damage.

⚠ WARNING

To avoid electrical shock which can cause severe personal injury or death, follow basic precautions, including the following:

- Unplug power cord or open household circuit breaker to refrigerator before installing kit. After installing kit, reconnect power.

⚠ CAUTION

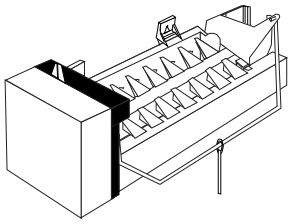
To avoid risk of personal injury or property damage, follow basic precautions, including the following:

- Do not place fingers or hands on or around the automatic icemaking mechanism while the refrigerator is plugged in.
- REPLACE ORIGINAL ICE STORAGE BUCKET WITH ONE FROM KIT to avoid spilling ice cubes.
- Confirm water pressure to water valve is between 20 and 100 pounds per square inch. If water filter is installed, water pressure to water valve must be a minimum of 35 pounds per square inch.
- Start nuts by hand to avoid cross threading. Finish tightening nuts using a wrench. Do not overtighten.
- Check carefully for water leaks prior to returning refrigerator to normal location and 24 hours after connection.

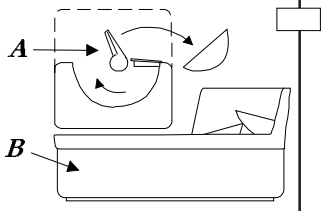
About Your Ice Maker

How the Ice Maker Works

1 ***Water fills the empty cube mold when the freezer has cooled to freezing temperature. Cold air is forced directly over the mold.***



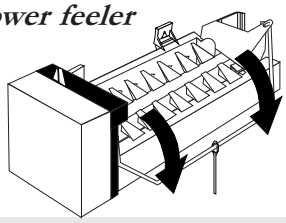
2 ***When frozen, the cubes are moved up and out of the mold. The sweeper arm (A) ejects them into the ice storage bin (B) below.***



How to Use Your Ice Maker

1 ***To start ice maker, lower feeler arm to 'on' position.***

- Make sure ice storage bin is below ice maker and pushed back as far as possible.

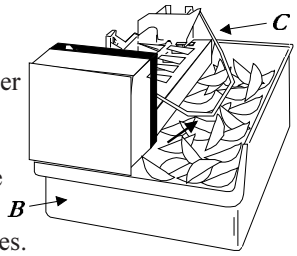


NOTE: *Feeler arm must be free to move upward and outward over ice storage bin for ice production. Make sure packages in freezer compartment do not block its movement.*

2 ***Allow approximately 24 hours after installation to receive first harvest of ice.***

- Discard ice created within first 12 hours of operation to verify system is flushed of impurities.

Is it possible for the ice maker to overfill the storage bin ?



The feeler arm ***(C)*** senses when the bin ***(B)*** is full and signals the icemaker to stop ejecting cubes. The mold refills and freezes a new supply. Once the feeler arm senses that more is needed, the ice maker resumes operation by ejecting the frozen cubes.

When is it appropriate to shut off my ice maker?

Raise the feeler arm to the STOP (up) position when:

- Ice storage bin is removed, or is being cleaned.
- Refrigerator is not to be used for an extended time, such as vacations. Also, turn off the water supply to the ice maker in this instance.
- Water supply is to be shut off for several hours.

My ice cubes have an odor. What can I do to avoid this?

Ice is a porous material and is likely to absorb odors from surrounding areas. Ice cubes that have been in the ice storage bin for a considerable length of time may pick up off-flavor tastes, stick together, and gradually become smaller. We suggest that these cubes be thrown away.

Other ways to control ice cube odor are listed below.

- The ice storage bin should be cleaned occasionally in warm water. Be sure to put the icemaker feeler arm in the STOP (up) position when cleaning the bin. Rinse and wipe dry.
- Check for spoiled or expired items and discard. Wrap all odor-causing foods, or store foods in tightly-sealed containers to prevent odor reoccurance.
- Water filter (some models) may need to be replaced.
- In some cases, household water quality may need to be checked. If a water filter is desired, a water filter may be ordered for some models. Contact Amana Consumer Affairs for more information on your particular model.

Installing Your Ice Maker

⚠ WARNING

To reduce the risk of injury or death, follow basic precautions, including the following:

- Read all instructions before installing device.
- DO NOT attempt installation if instructions are not understood or if they are beyond personal skill level.
- Observe all local codes and ordinances.
- DO NOT service device unless specifically recommended in owner's manual or published user-repair instructions.
- Disconnect power to unit prior to installing device.

⚠ CAUTION

To avoid property damage or possible injury, follow basic precautions, including the following:

- Consult a plumber to connect copper tubing to household plumbing to assure compliance with local codes and ordinances.
- Confirm water pressure to water valve is between 20 and 100 pounds per square inch. If water filter is installed, water pressure to water valve must be a minimum of 35 pounds per square inch.
- **DO NOT use a self-piercing, or $^{3}/_{16}$" saddle valve!** Both reduce water flow, become clogged with time, and may cause leaks if repair is attempted.
- Tighten nuts by hand to prevent cross threading. Finish tightening nuts with pliers and wrenches. Do not overtighten.
- Wait 24 hours before placing unit into final position to check and correct any water leaks.

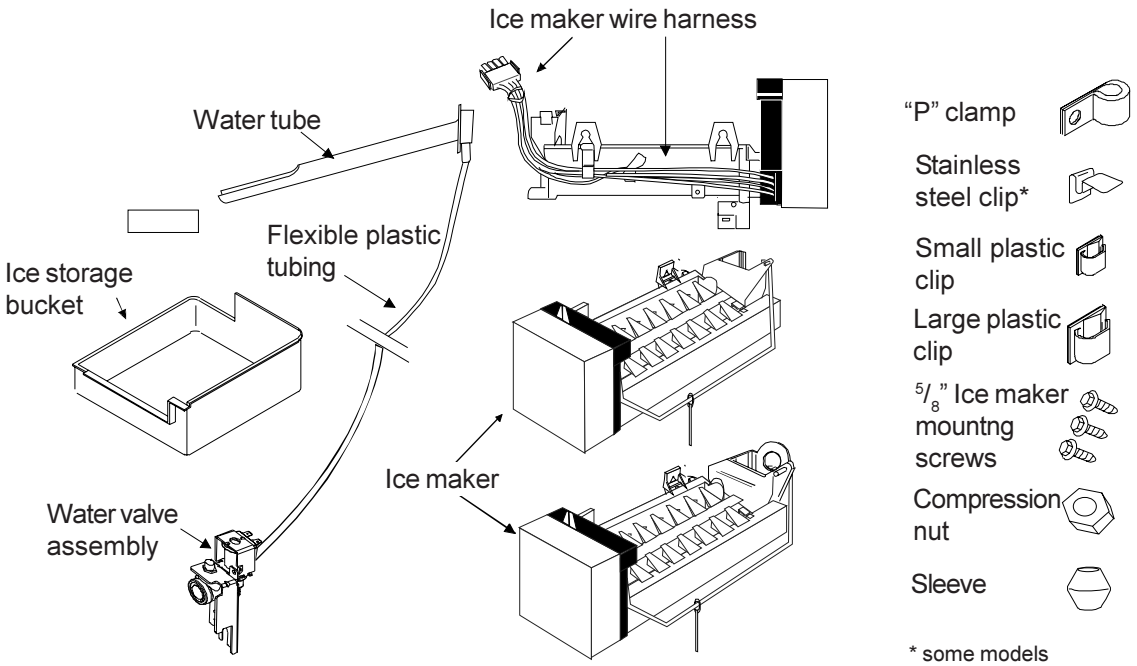
Materials Needed

- $^{1}/_{4}$" outer diameter flexible copper tubing

NOTE: *Add 8' to tubing length needed to reach water supply for creation of service loop.*

- Shut-off valve (requires a $^{1}/_{4}$" hole to be drilled into water supply before valve attachment)
- Needle-nose pliers
- Adjustable wrench
- Flat-blade screwdriver
- ¼" hex nut driver
- Water bucket
- Masking tape

CONTENTS OF IC-10S



* some models

Installing Your Ice Maker

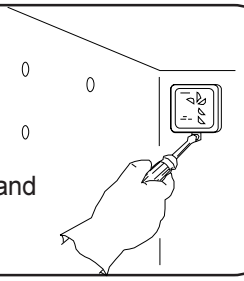
How to Prepare the Freezer Compartment

1 *Remove freezer accessories, including all baskets and shelves.*

- See Owner's Manual on instructions on removal and replacement of freezer items.

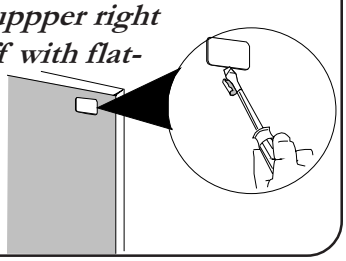
2 *Remove electrical and water connection cover from top left corner of freezer section.*

- Remove screw from cover and discard screw and cover.

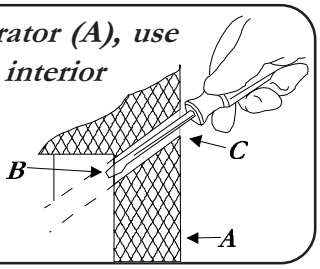


3 *Locate water tube inlet cover on back of unit in uppper right hand corner. Pry off with flat-blade screwdriver blade covered with masking tape.*

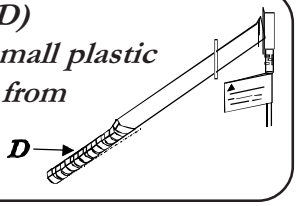
- Discard cover.



4 *From back of refrigerator (A), use screwdriver to pierce interior sealing tape (B) that covers the hole for the water fill tube inlet (C).*

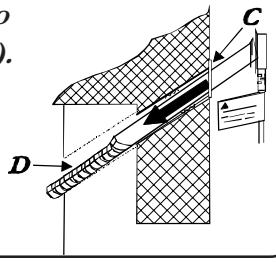


5 *Cover end of fill tube (D) with masking tape or small plastic bag to avoid insulation from entering tube during insertion.*



6 *Insert fill tube (D) into water fill tube inlet (C).*

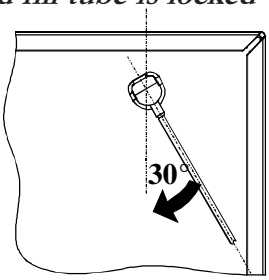
- If tube does not come through the interior freezer wall, use a pair of needle-nose pliers to pull tube through.



7 *Remove tape or plastic bag from the end of the fill tube.*

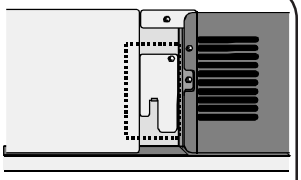
8 *Insert fill tube as illustrated. Press firmly inward while rotating clockwise 30° until water line is vertical and fill tube is locked into back wall.*

- Pull on grommet to be sure that the fit is tight. If tube comes loose, repeat above instructions.



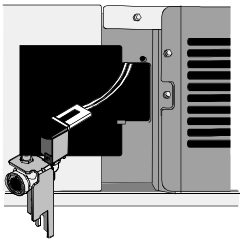
How to Mount the Water Valve Assembly

1 *Locate water valve cover plate on back of unit in lower left hand corner. Remove cover plate with a ¼" hex nut driver.*

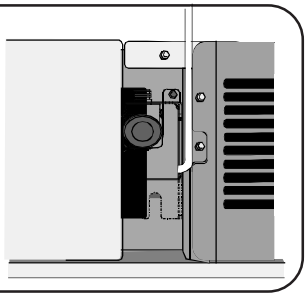


- Retain screw for later replacement.
- Cut wire tie holding harness to cover plate. Take care not to cut wires.

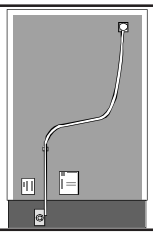
2 *Plug harness from inside machine compartment onto water valve electrical terminals.*



3 *Tuck bottom portion of valve inside machine compartment and fasten valve to cabinet with ¼" screw from step 1.*



4 *Position valve water line as illustrated and secure with small plastic clip located in ice maker kit.*

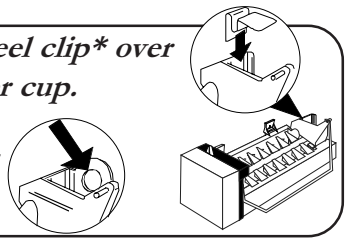


Installing Your Ice Maker

How to Mount the Ice Maker Kit

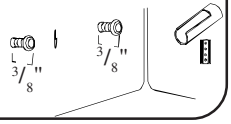
1 *Slip the stainless steel clip* over the wall of the water cup.*

* Step not required for ice makers with self-positioning fill tube opening.

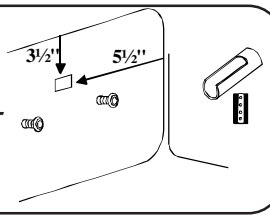


2 *Screw $^{5}/_{8}$" ice maker mounting screws into holes provided in left wall of freezer section.*

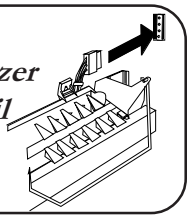
- Leave head out approximately $^{3}/_{8}$" for the slot in the icemaker hanger to slip over the screws.



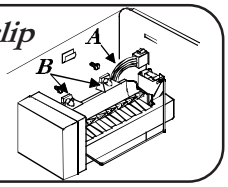
3 *Dry mounting wall thoroughly with towel before adding adhesive-backed harness clip as illustrated.*



4 *Insert wire harness plug into connector on back wall of freezer by using a rocking motion until locking fingers on plug snap into place.*

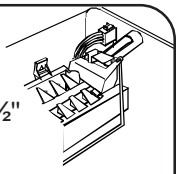


5 *Attach harness (A) to wall clip and slide ice maker hangers (B) over screws.*



6 *Fit fill tube under stainless steel clip on water cup.*

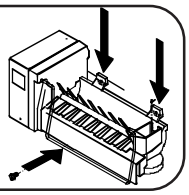
- Tube must extend approximately ½" into water cup.



For ice makers with self-positioning fill tube opening, thread fill tube through hole into

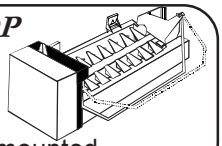
IMPORTANT: *Do not kink tubing and make sure that tubing will not become easily dislodged.*

7 *Insert remaining mounting screw into bottom of ice maker, and tighten down all mounting screws.*



8 *Raise feeler arm to the STOP position until water connection is complete.*

- Ice make should feel securely mounted.

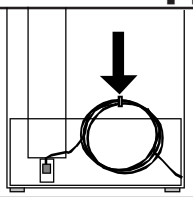


9 *Replace baskets and shelves, and place ice storage bin directly under ice maker.*

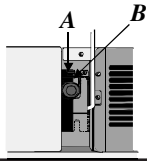
NOTE: *Check again to make sure the icemaker power cord is fully inserted into its outlet.*

How to Connect the Water Supply

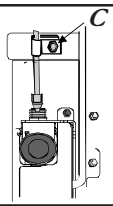
1 *Create service loop with tubing and attach to unit with "P" clamp to avoid kinks in tubing.*



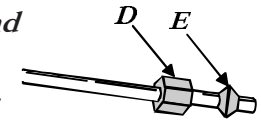
2 *Remove plastic cap (A) from water valve inlet port (B).*



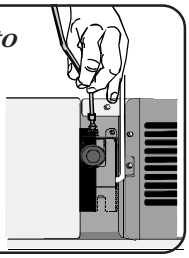
3 *Locate water tubing clamp (C) in kit and install with ¼" hex head screw .*



4 *Place brass nut (D) and sleeve (E) on copper tube end as illustrated.*

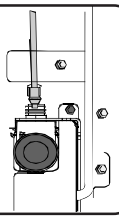


5 *Place end of copper tubing into water valve inlet port. Shape tubing slightly–DO NOT KINK–so that tubing feeds straight into inlet port.*

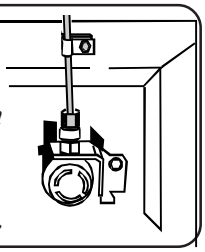


6 *Slide brass nut over sleeve and screw nut into inlet port. Tighten nut with wrench.*

IMPORTANT: *DO NOT overtighten. Cross threading may occur.*



7 *Pull on tubing to confirm connection is secure. Connect tubing to frame with water tubing clamp and turn on water supply. Check for leaks and correct, if present.*



8 *Monitor water connection for 24 hours. Correct leaks, if necessary.*

Trouble Shooting

TOPIC	POSSIBLE CAUSE	SOLUTION
Ice maker appears to have stopped operating	Ice maker arm is not in correct position	Confirm ice maker arm is down. See *Automatic Ice Maker* section in your owner's manual for details.
	Electrical power cord may not be plugged into icemaker, or harness is not plugged into water valve.	Make sure plug from power cord fits tightly into wall outlet, or check that connection
	The icemaker is not getting the necessary supply of water.	Make sure the water supply is connected and turned on. Check for kinks in the ¼" copper tubing. Remove kinks or replace tubing if there are kinks. Verify that refrigerator harness is plugged into water valve.
	Freezer temperature is too low	See the controls section in your owner's manual for assistance on how to adjust your controls. Freezer must be between 0 to 2°F (-18 to -17°C) to produce ice.
	The cubes are too small.	The shutoff valve connecting the refrigerator to the home water line may be clogged. Unclog it.
Small or hollow cubes	Water utilizing devices in use elsewhere in house	Avoid operating device such as dishwasher, washing m machine or shower.
Ice cubes have odor/taste	Ice stored for an extended period may absorb odors which affect their taste.	Discard old cubes. Use icemaker regularly.
	Ice storage bin needs to be emptied and washed.	Empty and wash ice storage bin.
	Unsealed packages in the refirgerator ad/or freezer compartments may be transmitting odor/taste to ice cubes.	Check seals on packages in freezer.
	The interior of the refrigerator needs cleaning.	See *Odor Removal* instructions in *Care and Cleaning Section.*
Icemaker is not producing ice	Ice maker arm is not in correct position	Confirm ice maker arm is down. See *Automatic Ice Maker* section in your owner's manual for details.
	Household water supply is not reaching water valve.	Check water connection procedure in your *Installation Instructions*.
	Copper or plastic tubing has kinks.	Turn off water supply and remove kinks. If kinks cannot be removed, replace tubing. **Amana recommends using a saddle valve. Contact 1-800-843-0304 or an Amana dealer for availability. Do not use self-piercing valve. Amana is not responsible for property damage due to improper installation or water connection.**
	Water pressure is too low.	Water pressure must be between 20 to 100 pounds per square inch to function properly. A minimum pressure of 35 pounds per square inch is recommended for units with water filters.
	Freezer temperature is too low.	See the controls section in your owner's manual for assistance on how to adjust your controls. Freezer must be between 0 to 2°F (-18 to -17°C) to produce ice.
	Improper water valve was installed.	Check water connection procedure in your *Installation Instructions*. Self-piercing and 3/16" saddle valves cause low water pressure and may clog the line over time. **Amana is not responsible for property damage due to improper installation or water connection.**
	Electrical connection to water valve coil and connector block may be loose.	Check electrical connections to water valve coil and connector block on refrigerator cabinet.

Trouble Shooting

TOPIC	POSSIBLE CAUSE	SOLUTION
Icemaker is not producing ice (some models) (continued from previous page)	Freezer section not operating at proper temperature.	Confirm that freezer section is operating at proper temperature. Adjust accordingly.
Ice maker is not producing enough ice or ice is malformed.	Ice maker has just recently been installed or a large amount of ice has just been used.	Wait 24 hours for ice production to begin and for ice to restock after emptied.
	Water pressure is too low.	Low water pressure can cause valve to leak. Water pressure must be between 20 to 100 pounds per square inch to function properly. A minimum pressure of 35 pounds per square inch is recommended for units with water filters.
	Freezer temperature is too low.	See the controls section in your owner's manual for assistance on how to adjust your controls. Freezer must be between 0 to 2°F (-18 to -17°C) to produce ice.
Ice cubes stick together or "shrink".	Ice cubes have not been emptied.	Empty ice cube bucket or trays more frequently. If used infrequently, ice cubes may stick together or shrink.
Ice forms in inlet tube to ice maker (some models).	Water pressure is too low.	Check water pressure. Low water pressure will cause valve to leak. Self-piercing valves cause low water pressure. **Amana recommends using a saddle valve. Contact 1-800-843-0304 or an Amana dealer for availability. Do not use self-piercing valve. Amana is not responsible for property damage due to improper installation or water connection.**
	Freezer temperature is too high	See the controls section in your owner's manual for assistance on how to adjust your controls. Freezer is recommended to be between 0 and 2°F (-18 to -17°C).
Unit is leaking water	Plastic tubing was used to complete water connection.	Amana recommends using copper tubing for installation. Plastic is less durable and can cause leakage. **Amana is not responsible for property damage due to imporper installation or water connection.**
	Water pressure is too low.	Low water pressure can cause valve to leak. Water pressure must be between 20 to 100 pounds per square inch to function properly. A minimum pressure of 35 pounds per square inch is recommended for units with water filters.
	Improper water valve was installed	Check water connection procedure in your Installation instructions. Self-piercing and 3/16" saddle valves cause low water pressure and may clog the line over time. **Amana is not responsible for property damage due to improper installation or water connection.**

For more information on this and other Amana products, visit our Web site

www.amana.com

or

call Consumer Affairs Department at

1-800-843-0304

Ice Maker
Full One Year Warranty

First Year

Amana Appliances will repair or replace, free of charge, any part which is defective due to workmanship or materials.

Warranty Limitations

- Begins at date of original purchase.
- Applies to product used within the United States or in Canada if product has Canadian Standards Association listing when shipped from the factory.
- Service must be performed by an authorized Amana® technician.

Warranty Is Void If

- Product is used on a commercial, rental or leased basis.
- Product has defect or damage due to an accident, fire, flood, connection to an improper electrical or water supply, lightning, product alteration, shipping and handling, or other conditions beyond the control of Amana.
- Product is improperly installed or used.

Owner's Responsibilities

- Provide proof of purchase (sales receipt).
- Provide normal care and maintenance. Replace owner replaceable items where directions appear in Owner's Manual and Installation Instruction.
- Make product reasonably accessible for service.
- Pay for premium service costs for service outside technician's normal business hours.
- Pay for service calls related to product installation or customer education.

In no event shall Amana Appliances be liable for incidental or consequential damages.*

*This warranty gives you specific legal rights and you may have others which vary from state to state. For example, some states do not allow the exclusion or limitation of incidental or consequential damages so this exclusion may not apply to you.

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